

EDR Prioritization List

EDR	Threshold – Sensor*	Objective
Sea Surface Winds (Speed)	I – CMIS	A
Soil Moisture	I – CMIS	A
Atmospheric Vertical Moisture Profile	I – CrIS/ATMS [P]; CMIS [AW]	A
Atmospheric Vertical Temperature Profile	I – CrIS/ATMS [P]; CMIS [AW]	A
Imagery	I – VIIRS [P]; CMIS [AW]	A
Sea Surface Temperature	I – VIIRS [P]; CMIS [AW]	A
Cloud Ice Water Path	II - CMIS	A
Cloud Liquid Water	II - CMIS	A
Precipitable Water	II – CMIS	A
Precipitation	II – CMIS	A
Sea Surface Winds (Direction)	II – CMIS	A
Total Water Content	II – CMIS	A
Ozone Total Column	II – OMPS	A
Ozone Vertical Profile	II – OMPS	A
Aerosols	II – VIIRS	A
Albedo	II – VIIRS	A
Cloud Cover/Layers	II – VIIRS	A
Cloud Effective Particle Size	II – VIIRS	A
Cloud Optical Thickness	II – VIIRS	A
Cloud Top Height	II – VIIRS	A
Cloud Top Pressure	II – VIIRS	A
Cloud Top Temperature	II – VIIRS	A
Ocean Color/Chlorophyll	II – VIIRS	A

Surface Type	II – VIIRS	A
Fresh Water Ice	II – VIIRS [P]; CMIS [AW]	A
Ice Surface Temperature	II – VIIRS [P]; CMIS [AW]	A
Land Surface Temperature	II – VIIRS [P]; CMIS [AW]	A
Sea Ice Age & Sea Edge Motion	II – VIIRS [P]; CMIS [AW]	A
Snow Cover/Depth	II – VIIRS [P]; CMIS [AW]	A
Vegetation Index	II – VIIRS	A
Active Fire Products	II – VIIRS	B
Currents	III – Altimeter [P]; VIIRS [AW]	B
Surface Wind Stress	III – CMIS	B
Pressure Profile	III – CrIS/ATMS	B
Net Heat Flux	III – ERBE	B
Cloud Base Height	III – VIIRS	B
Littoral Sediment Transport	III – VIIRS	B
Mass Loading	III – VIIRS	B

* P = primary; AW = all weather

The EDRs have been divided up into two sets of categories, Threshold Categories (I, II, and III) and Objective Categories (A and B). Categories I, II, and III determine ranking of threshold requirements. Categories A and B determine relative importance of exceeding thresholds or approaching objectives. The IPO does not plan on prioritizing by EDR attributes.

Category I - Trades addressing performance below threshold generally are permitted as long as the IORD reference number in Appendix D of the TRD is not breached.

Category II - Trades addressing performance below threshold [including the IORD reference numbers] are of interest only for thresholds that are significant design drivers or provide significant benefit to the Government (e.g., reduced cost, improved performance in other EDRs, improved spacecraft accommodation, etc.).

Category III - Trades addressing performance below threshold [including the IORD reference numbers] are generally of interest especially when the thresholds are design drivers or benefit (e.g., reduced cost, improved performance in other EDRs, improved spacecraft accommodation, etc) is provided to the Government. In general, thresholds should not be allowed to drive sensor suite design.

Category A – There is a value to the Government if thresholds are exceeded and/or objectives are approached.

Category B – There is a value to Government if thresholds are exceeded and/or objectives are approached; however, in general, approaching objectives should not be allowed to significantly drive design